



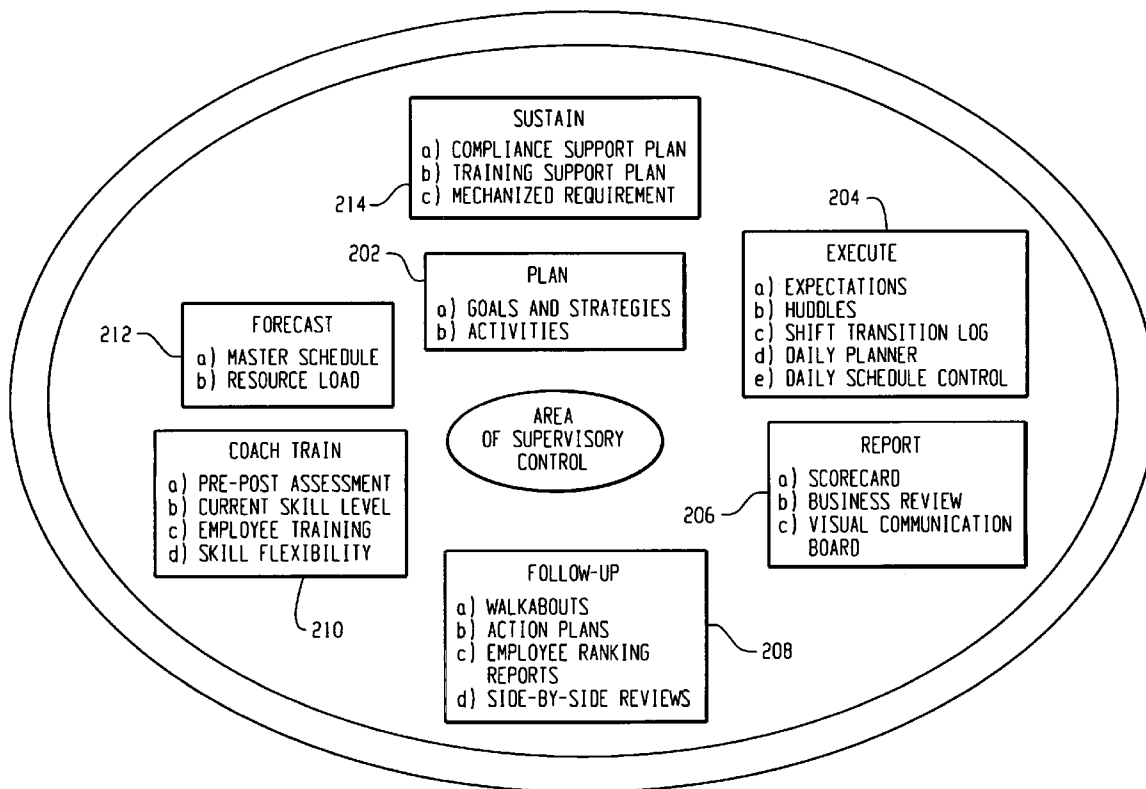
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(19) **United States**(12) **Patent Application Publication**
Gibson(10) **Pub. No.: US 2006/0282305 A1**(43) **Pub. Date: Dec. 14, 2006**(54) **METHODS, SYSTEMS, AND STORAGE
MEDIUMS FOR MANAGING
ACCELERATED PERFORMANCE**(52) **U.S. Cl. 705/11**(76) **Inventor: Paula Webb Gibson, Alpharetta, GA
(US)**(57) **ABSTRACT**

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BLOOMFIELD, CT 06002 (US)**(21) **Appl. No.: 11/322,770**(22) **Filed: Dec. 30, 2005****Related U.S. Application Data**(60) **Provisional application No. 60/689,781, filed on Jun.
10, 2005.****Publication Classification**(51) **Int. Cl.
G06F 11/34 (2006.01)**

Exemplary embodiments relate to methods, systems, and storage mediums for providing a disciplined approach to managing accelerated performance activities. The method includes identifying an opportunity; developing an activity list of at least one of a task and a behavior that relate to the identified opportunity; performing a time study associated with the task and the behaviors; collecting a time study data resulting from the time study; collecting a performance data resulting from an actual performance of work activities, wherein the performance data includes a quality indicator; creating a scorecard for analyzing the correlation between the time study data and the performance data; identifying a issue presented as a result of analyzing the time study data and the performance data; generating and implementing a roadmap for resolving the issue; and training a individual affected by the roadmap in accordance with an action item contained in the roadmap.



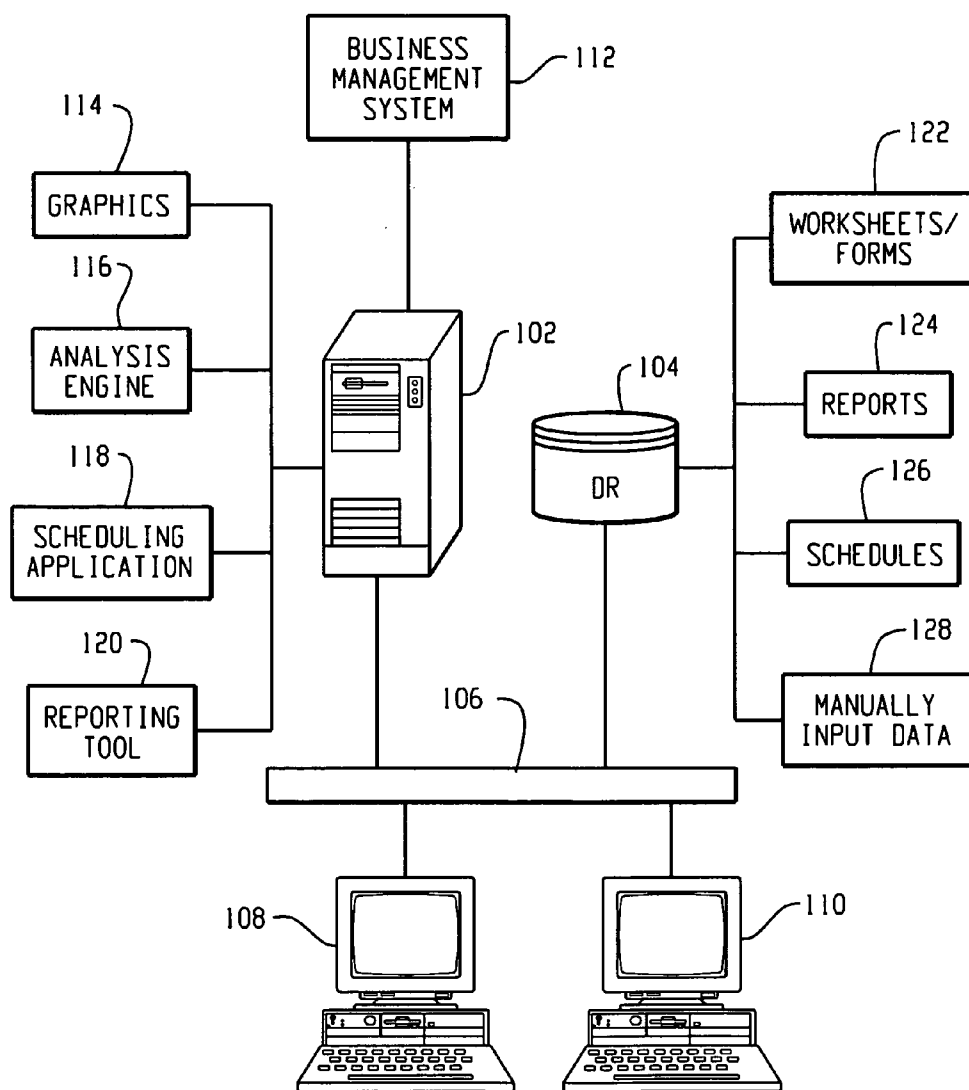


Fig. 1

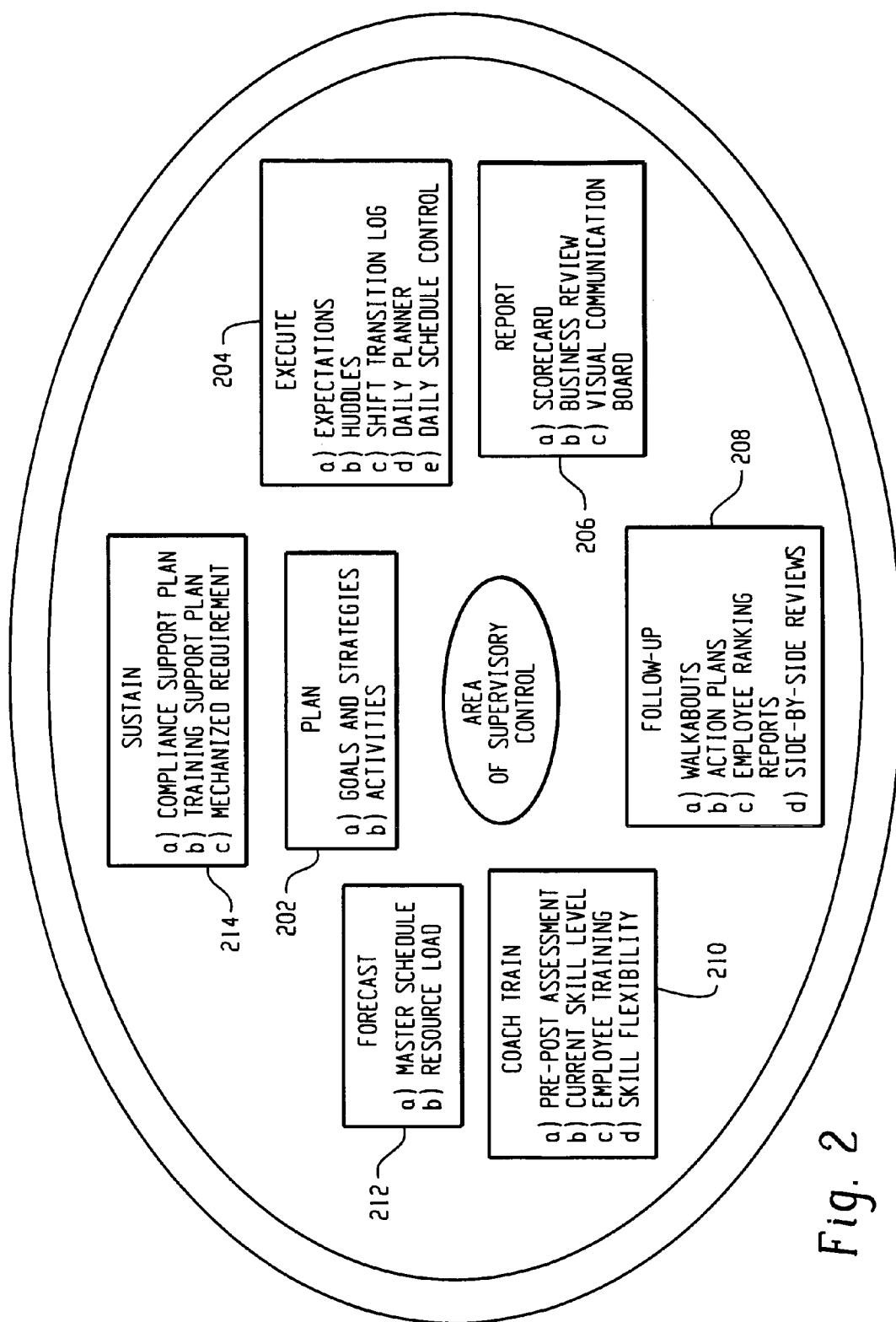


Fig. 2

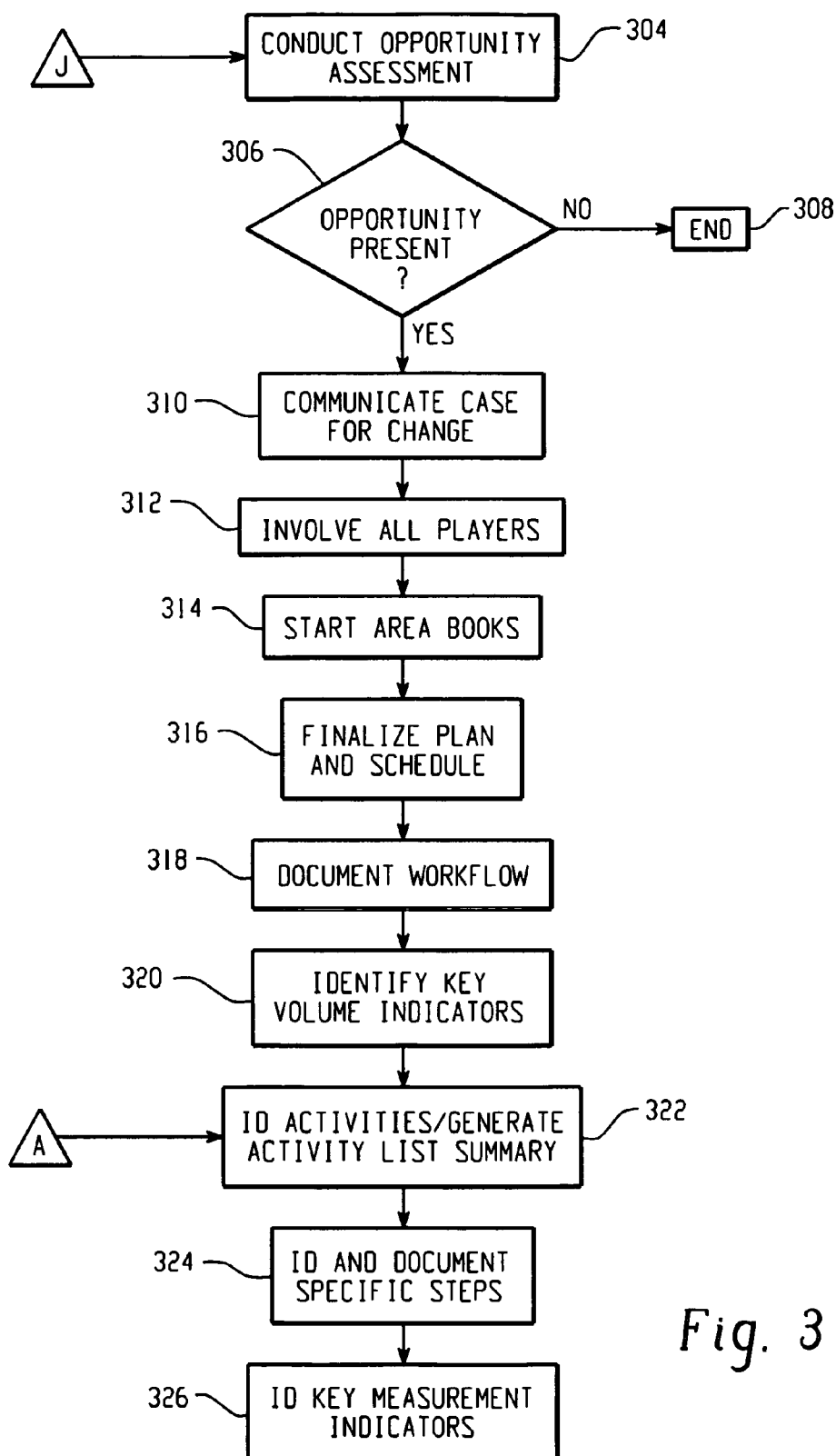


Fig. 3

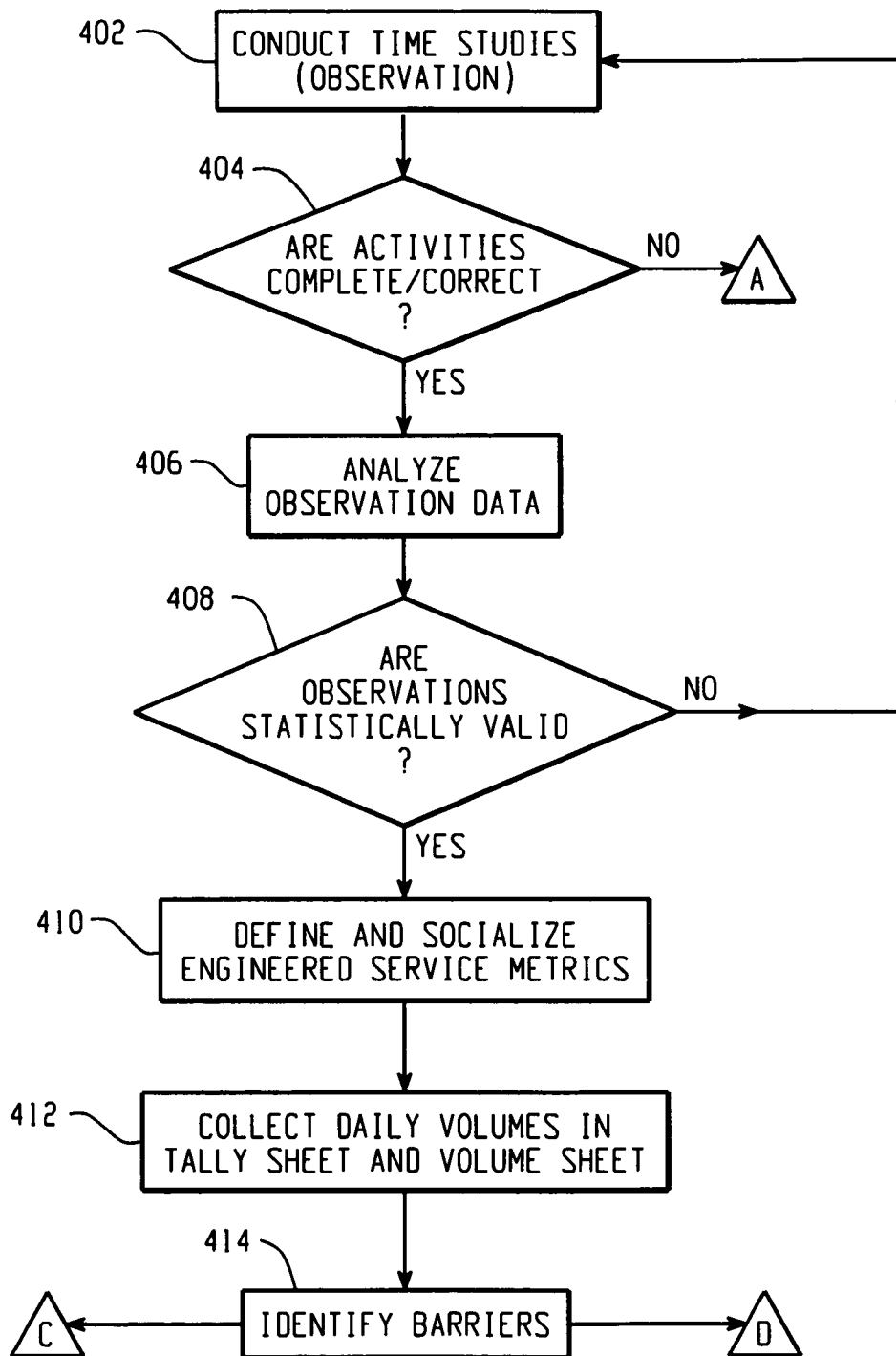


Fig. 4

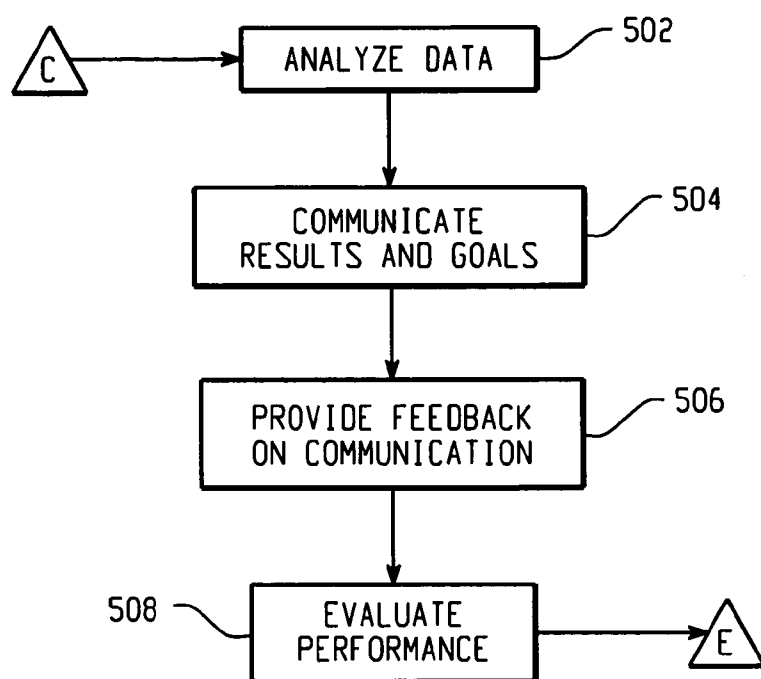


Fig. 5

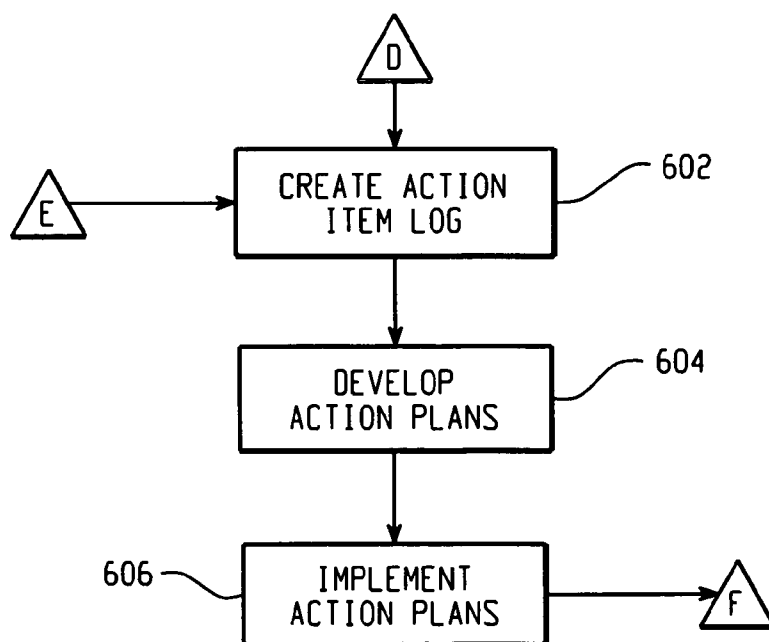


Fig. 6

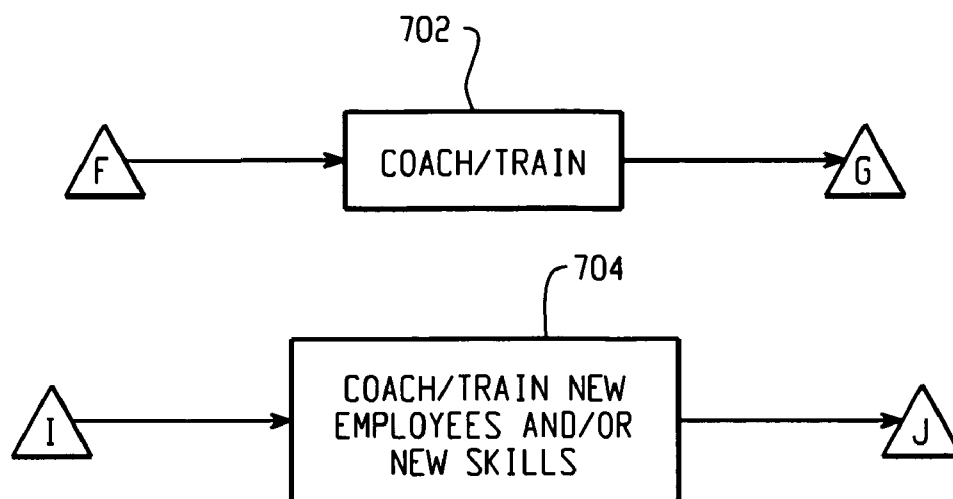


Fig. 7

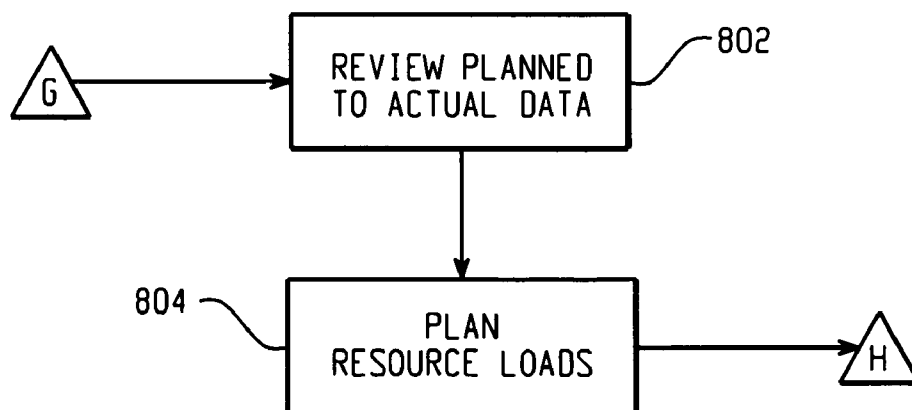


Fig. 8

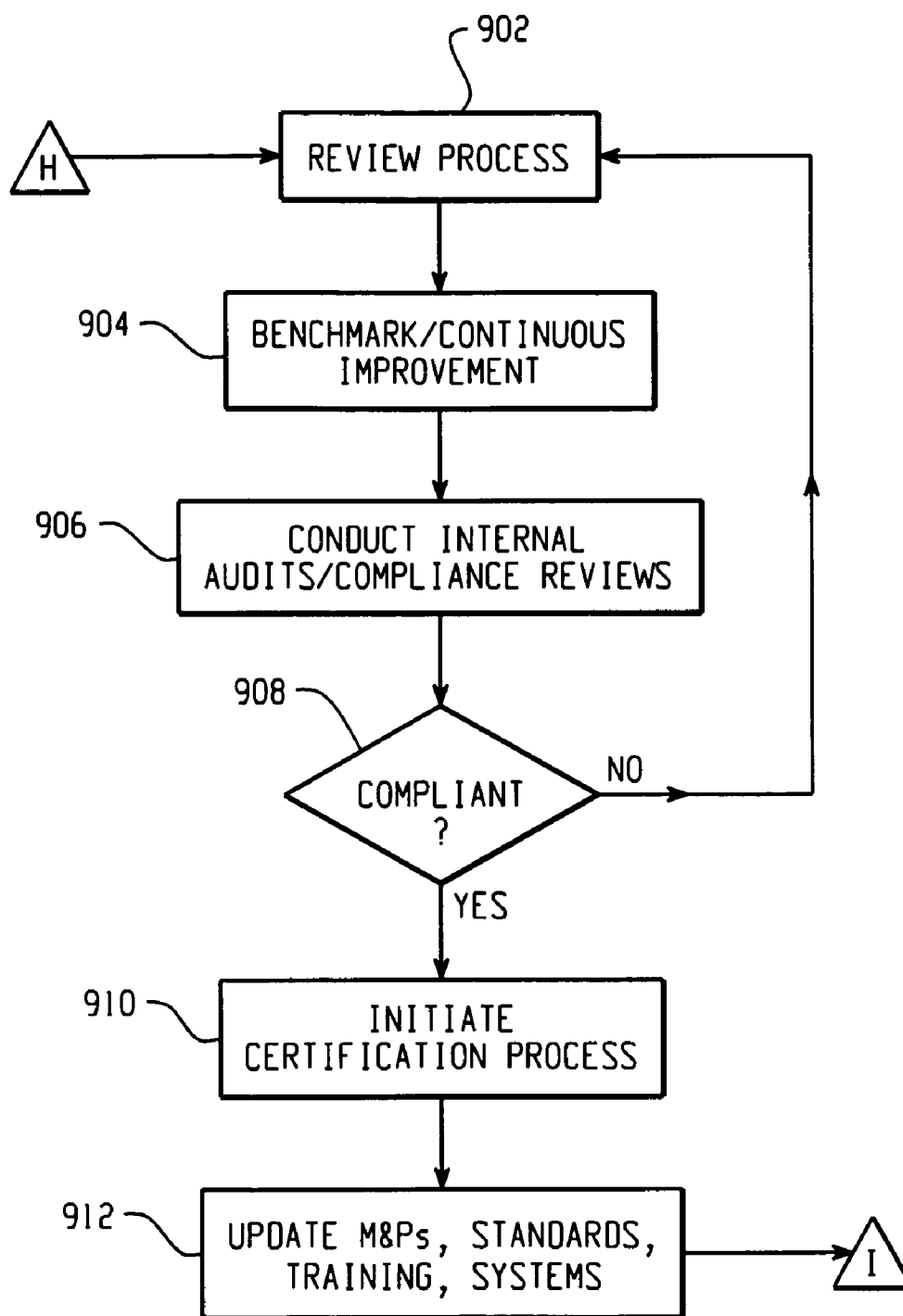


Fig. 9

ACTIVITY LIST SUMMARY							
STATE: <u>GA</u>							
CENTER: <u>AFIG</u>							
AREA: <u>see below</u>							
DATE UPDATED: <u>5/2/2003</u>							
ACT. #	ACTIVITY	UNIT OF MEASURE	DAILY FREQ	MONTHLY VOL	EST MINS	ESM/RE MINS	% TOTAL VOL
	SO Processing Area						
1	RMA Resolution	order					
2	Reuse report	reuse group					
3	QA report	order					
4	SOCS errors	error					
5	Field assist calls	call					
6	HAL report	order					
7	PAWS pending order report	order					
	EWO Processing Area						
8	Basic inventory updates	item					
18	Delay/deficiency reports	report					
	Data Base Maintenance Area						
19	DAVAR processing	report					
20	Defective pair reports	item					
21	E911 activities	item					
22	RSAG activities	order/item					
23	Miscellaneous data base update/correct	item					
24	DIS fallout	item					
25	LURI/RULI reports	item					
26	Pending order/past due reports	order					
27	LMOS updates	order					
28	DAML removal	wait					
29	TRAPPER center referrals	item					
30	Projects/Conversions	item					
				0	TOTAL MONTHLY VOL		

Fig. 10

DAILY SCHEDULE CONTROL											
Center:				Group:							
Daily Checks											
8am		10am		12pm		2pm		4pm		6pm	

Department:		
Supervisor:		
Date:		4/30/2003

Daily	Daily	Daily
0/U Total	Demand Hrs	Exception Hrs

(8.42)	(9.00)	(0.00)

(8.42)	(9.00)	(0.00)

Craft Person									
SMITH, PATRICIA R		(1.42)	(2.00)	(2.00)	(2.00)	(2.00)	(1.00)		
Total Over/Under (EH)									
(1.42)		(2.00)	(2.00)	(2.00)	(2.00)	(1.00)	0.00		

Over/Under (EH)									
SMITH, PATRICIA R									
(1.42)		(2.00)	(2.00)	(2.00)	(2.00)	(1.00)	0.00		

Fig. 11

[illegible]

ACTION PLAN

DEPARTMENT: _____

GOAL: _____

BARRIER: _____

CHAMPION: _____

PARTICIPANTS: _____

DATE: _____

PAGE: _____

\$	ACTION PLAN STEPS	DATE DUE	WHO IS RESPONSIBLE ?	REVIEW DATES		DATE COMP	POTENTIAL SAVINGS \$
				DATE	DATE		

Fig. 13

METHODS, SYSTEMS, AND STORAGE MEDIUMS FOR MANAGING ACCELERATED PERFORMANCE

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application claims the benefit of U.S. Provisional Patent Application Ser. No. 60/689,781 filed Jun. 10, 2005, which is incorporated herein by reference in its entirety.

BACKGROUND

[0002] The present invention relates generally to business models, and more particularly, the invention relates to methods, systems, and storage mediums for managing accelerated performance.

[0003] Supervisors and managers of business enterprises are typically trained on the job with little discipline provided concerning the various reporting requirements, behaviors that should be coached, and which metrics are important to the business. As new management comes along, to replace retired individuals or as a result of turnover, they often need to re-invent what their predecessors have learned over time through experiences. A great deal of relevant knowledge and experience may be lost as a result of a change in management. This can be very wasteful and result in diminished productivity.

[0004] What is needed, therefore, is a way to provide a disciplined approach to managing accelerated performance activities that can be systematically implemented across an entire managing accelerated performance environment.

SUMMARY

[0005] Exemplary embodiments include a method of providing a disciplined approach for conducting managing accelerated performance activities, the method including developing an activity list of at least one of a task and a behavior that relate to an identified opportunity; performing a time study associated with the task and the behaviors; collecting a time study data resulting from the time study; collecting a performance data resulting from an actual performance of work activities, wherein the performance data includes a quality indicator; creating a scorecard for analyzing the correlation between the time study data and the performance data; identifying a issue presented as a result of analyzing the time study data and the performance data; generating and implementing a roadmap for resolving the issue; and training a individual affected by the roadmap in accordance with an action item contained in the roadmap.

[0006] Exemplary embodiments also include a storage medium encoded with machine-readable computer program code for providing a disciplined approach for conducting managing accelerated performance activities, the storage medium including instructions for causing a server to implement a method, including: developing an activity list of at least one of a task and a behavior that relate to an identified opportunity; performing a time study associated with the task and the behaviors; collecting a time study data resulting from the time study; collecting a performance data resulting from an actual performance of work activities, wherein the performance data includes a quality indicator; creating a

scorecard for analyzing the correlation between the time study data and the performance data; identifying a issue presented as a result of analyzing the time study data and the performance data; generating and implementing a roadmap for resolving the issue; and training a individual affected by the roadmap in accordance with an action item contained in the roadmap.

[0007] Further exemplary embodiments include a system for providing a disciplined approach for conducting managing accelerated performance activities, including: a server; a managing accelerated performance system executing on the server, the managing accelerated performance system including a managing accelerated performance system model including: a plan phase component; an execute phase component; a report phase component; a follow-up component; a coach/train component; a forecast component; and a sustain component; wherein the managing accelerated performance system performs: identifying an opportunity; developing an activity list of at least one of a task and a behavior that relate to the identified opportunity; performing a time study associated with the task and the behaviors; collecting a time study data resulting from the time study; collecting a performance data resulting from an actual performance of work activities, wherein the performance data includes a quality indicator; creating a scorecard for analyzing the correlation between the time study data and the performance data; identifying a issue presented as a result of analyzing the time study data and the performance data; generating and implementing a roadmap for resolving the issue; and training a individual affected by the roadmap in accordance with an action item contained in the roadmap.

[0008] Other systems, methods, and/or computer program products according to embodiments will be or become apparent to one with skill in the art upon review of the following drawings and detailed description. It is intended that all such additional systems, methods, and/or computer program products be included within this description, be within the scope of the present invention, and be protected by the accompanying claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0009] Referring now to the drawings wherein like elements are numbered alike in the several Figures:

[0010] **FIG. 1** is a block diagram of a system upon which the managing accelerated performance system may be implemented in exemplary embodiments;

[0011] **FIG. 2** is a diagram illustrating the components of the managing accelerated performance system model in exemplary embodiments;

[0012] **FIG. 3** is flowchart describing the plan phase of the managing accelerated performance system model in exemplary embodiments;

[0013] **FIG. 4** is a flowchart describing the execute phase of the managing accelerated performance system model in exemplary embodiments;

[0014] **FIG. 5** is a flowchart describing the report phase of the managing accelerated performance system model in exemplary embodiments;

[0015] **FIG. 6** is a flowchart describing the follow-up phase of the managing accelerated performance system model in exemplary embodiments;

[0016] **FIG. 7** is a flowchart describing the coach/train phase of the managing accelerated performance system model in exemplary embodiments;

[0017] **FIG. 8** is a flowchart describing the forecast phase of the managing accelerated performance system model in exemplary embodiments;

[0018] **FIG. 9** is a flowchart describing the sustain phase of the managing accelerated performance system model in exemplary embodiments;

[0019] **FIG. 10** is a sample activity list summary that is utilized by the managing accelerated performance system model in exemplary embodiments;

[0020] **FIG. 11** is a sample daily schedule control form that is utilized by the managing accelerated performance system model in exemplary embodiments;

[0021] **FIG. 12** is a sample scorecard that is utilized by the managing accelerated performance system model in exemplary embodiments; and

[0022] **FIG. 13** is a sample action plan that is utilized by the managing accelerated performance system model in exemplary embodiments.

DETAILED DESCRIPTION

[0023] According to an exemplary embodiment, a managing accelerated performance system provides a disciplined approach to transfer knowledge from one individual or group to another individual or group. The managing accelerated performance system further provides a framework for new employees to learn a job based, in part, upon a knowledge database implemented by the managing accelerated performance system. The managing accelerated performance system combines selected business processes into a single business model. The business processes include process management, work measurement, and a management control model. Process management defines the entire work stream for a business enterprise, including activities and service metrics. Work measurement provides a disciplined approach to setting expectations and includes reports that help drive all levels of management to manage these expectations. The management control model provides a disciplined approach to enable supervisors to plan, execute, follow-up, report, forecast, coach, and train in accordance with the current and future needs of the business enterprise. These business processes may be customized to meet the individual requirements of any business.

[0024] The managing accelerated performance system may be implemented in a network system such as the one depicted in **FIG. 1**. **FIG. 1** depicts a host system **102** executing the managing accelerated performance system **112**. Host system **102** is in communication with a data storage **104** via a network **106**. Alternatively, host system **102** and data storage **104** may comprise one unit, such as for example, a mainframe computer. Host system **102** is in communication with client systems **108** and **110** via network **106**. Host system **102** executes various applications including a graphics application **114**, an analysis engine **116**, a scheduling application **118**, and a reporting tool **120** as described further herein. Data storage **104** stores a variety of documents and data including worksheets **122**, reports **124**,

schedules **126**, and manually input data **128** which are created and/or utilized by the managing accelerated performance system.

[0025] Host system **102** may be a high-speed processor/server that executes applications **114-120** and services client systems **108** and **110**. Data storage **104** is logically addressable by host system **102** and/or client systems **108** and **110** via network **106**. Client systems **108** and **110** may each comprise a general-purpose desktop computer, laptop, or similar computer device. Client system **108** represents a computer device that is operated by a supervisor of an enterprise that utilizes the managing accelerated performance system. Client system **110** represents a computer device that is operated by a low-level employee of the business enterprise. Network **106** may comprise a local area network, wide area network, or other suitable networking infrastructure. Graphics application **114** may be an application such as a spreadsheet tool that provides charting and graphing capabilities. Analysis engine **116** may be a logic application that utilizes various algorithms to perform data analysis. Scheduling application **118** and reporting tool **120** may comprise any commercial or proprietary software that performs scheduling and reporting functions. These tools are widely known and will be readily understood by those skilled in the art.

[0026] An exemplary embodiment of the managing accelerated performance system model and its elements is shown in **FIG. 2**. The model **200** includes a disciplined seven-phase approach and each of the phases are discussed further in **FIGS. 3-9**. The observational data, analysis results, reports, and plans that pertain to a specific job role may be stored in a binder (also referred to herein as area book). This data, as well as data relating to all job functions are stored electronically in a database for easy access and retrieval.

[0027] The managing accelerated performance model **200** of **FIG. 2** includes seven components or phases **202-214**. Each of the phases, in turn, comprises one or more elements **202a-b**, **204a-e**, **206a-d**, **208a-d**, **210a-e**, **212a-b**, and **214a-c**. The inner core of model **200** reflects the supervisory control over the entire seven-phase process, while the individual components reflect a higher level of process detail. The sustain phase **214**, envelopes the model **200** to reflect that this phase is ongoing throughout the implementation of the model.

[0028] A plan phase **202** includes a goals and strategies element **202a** and activities element **202b**. The goals and strategies element **202a** refers to the process of identifying opportunities, establishing goals for exploiting the opportunities, prioritizing the goals and strategies, and documenting the goals and strategies. This element ensures that effective communication of an opportunity is conducted and that the communication is directed to the appropriate individuals. The affected individuals may include personnel from a wide range of business and technical backgrounds. For example, relevant individuals may come from a high-level corporate office, and information technologist, operations staff, as well as a training department.

[0029] The activities element **202b** refers to the mapping of processes using key volume indicators, identifying functional groups and activities assigned to these functional groups, and generating an activity list summary for each functional group. A sample activity list summary is shown in

FIG. 10. An activity list summary is used to define work content for a particular work group and enables a supervisor to match resources with workload conditions. A supervisor reviews and approves the activity list summary and a copy is maintained in the appropriate area book. Details are specified for each activity in an activity detail summary that includes key volume indicators. Key volume indicators are used as forecasting tools and are produced by comparing like centers, work units, or functional groups and validating differences between processes used. Based upon volumes, engineering service measurements (ESMs), and reasonable established expectations, these key volume indicators are generated and used to develop a master schedule, resource load, and an activity list. An activity detail summary contains the work content for a work group and enables supervisors to understand each step involved in performing an activity on an activity list. An activity detail summary is developed for each activity listed in an activity list and is placed in an area book for the supervisor responsible for overseeing the activities.

[0030] Execute phase 204 includes an expectations element 204a, a huddles element 204b, a shift transition log element 204c, a daily planner element 204d, and a daily schedule control element 204e. A variety of documents may be used for tracking and reporting activities conducted through the managing accelerated performance model 200. For example, based upon the nature of activity defined for a supervisor, various technical aids may be acquired for assisting the supervisor in performing the activity. Generally the supervisor will be conducting observations of employee behaviors during this phase. Supervisors may be trained for conducting observations in terms of the specific types of behaviors that should be tracked.

[0031] Results from observations conducted are entered in managing accelerated performance system 112 and statistical analysis is performed on the results via analysis engine 116. From this analysis, expectations 204a are developed and communicated to the affected individuals. Expectations 204a refer to the established benchmarks set for an activity or best demonstrated practices (i.e., the optimum volume and quality of work conducted for each activity that assumes a fully trained employee, working at a constant rate with an average work mix, using the tools necessary to perform the activity, minus any lost time or operating problems encountered).

[0032] A daily load review refers to a tool that allows a supervisor to balance the workload for a work area by assessing the amount of work that needs to be done with the amount of labor needed to produce the work. While this description refers to a "daily load" for ease of explanation, it should be appreciated that the tool may be used for review for other time increments, e.g., weekly. The supervisor evaluates resource loads for each day to see how effective the workload planning was for the area. A daily planner 204d is used to document supervisory activities performed throughout the workday and daily huddles 204b are performed in order to establish daily expectations and synchronize information among individuals. The daily planner 204d is a tool designed to assist members of a department with daily prioritizing and short-term planning. It also helps a supervisor load tasks into his/her available work hours in order manage unexpected surges in work along with day-to-day activities. The daily huddle 204b refers to a manage-

ment tool that allows a supervisor to understand and relay back any key developments that were noted from the previous day's work and to plan and prepare for the current day's operations. Specifically, the daily huddle 204b is a meeting that is conducted for an area in which employees review their performance from the previous day, share lessons learned, and point out any relevance to future operations (e.g., identifying roadblocks, expectations, and new assignments/reassignments). In exemplary embodiments, the daily huddles 204b are conducted at the beginning of a workday or shift.

[0033] As employees perform work activities, the results are collected in database 128 and processed to generate a daily tally sheet. The daily tally sheet provides detailed work data relating to performance and volumes for an activity. This information, in turn, is used to create a daily schedule control 204e. A sample daily schedule control 204e is shown in FIG. 11. The daily schedule control 204e is a structured follow-up tool that helps supervisors understand and relay off-schedule conditions. The daily schedule control 204e enforces a disciplined short-interval follow-up to any barriers that have been identified and any potential off-schedule conditions that have been detected. The daily schedule control 204e further provides a means for enabling a supervisor to compare actual work with planned work and helps to address issues early on before they become major problems. The daily schedule control 204e provides information including, but not limited to, percentage of productivity data, percentage of overtime data, earned hours, and lost time. The daily schedule control 204e is kept in the supervisor's area book for quick access and review. Capacity charts may be created by graphics application 114 using the information provided in the daily schedule control 204e. The shift transition log element 204c refers to a communication tool that allows management to follow up on issues that occur from one shift to the next so that they will not be overlooked as one supervisor's shift ends and another supervisor's shift begins. These are issues that have occurred during a shift and are believed to reoccur during the following shift.

[0034] A report phase 206 comprises a scorecard element 206a, a business review element 206b, and a visual communication board element 206c. These elements allow the supervisor of the managing accelerated performance system to conduct analysis of the data gathered in the above process, as well as communicate the results to the appropriate individuals. These individuals are then presented with an opportunity to provide feedback on the results. The results may be presented in a visual format such as graphical charts or other means.

[0035] Scorecard element 206a refers to a performance and reporting tool that identifies trends in key measurement indicators on a daily and weekly basis. The scorecard element 206a summarizes information gained from the previous day's work, as well as for the week, and includes planned and actual items produced, hours worked, performance, effectiveness, service, quality, sustainability and the like. Action plans are developed using information in the scorecard. A sample scorecard is shown in FIG. 12. Information such as quality, service, effectiveness and the like may be collected by

[0036] The business review element 206b refers to a meeting in which area managers present a variety of infor-

mation elements to higher level entities such as corporate directors or company vice presidents. Information elements presented include, but are not limited to, the daily schedule controls **204e**, an action plan **208b**, a capacity graph, the scorecard element **206a**. Areas managers that are successfully utilizing the managing accelerated performance system may be recognized, and any deficiencies relating to the utilization of the managing accelerated performance system for other area managers may be identified as needing improvement. In exemplary embodiments, the business review element **206b** occurs on a monthly basis.

[**0037**] A key measurement indicator refers to a measurement tool that measures performance, service, quality, or effectiveness of work performed. Key measurement indicators quantify results into meaningful measurements. For example, in a customer service industry where performance is to be measured, key measurement indicators may be determined by assessing an activity that drives the functions for an area (e.g., a reasonable number of calls expected to be received at the work area). A base performance is determined for this function (e.g., a time period from which to begin subsequent measures is established). Then the actual value for the current period (e.g., week) is identified utilizing the key measurement indicator 'number of calls' and the base performance. The actual value is then compared with subsequent values (e.g., actual value information for the next week) to determine a percentage of change in performance from one time period to the next.

[**0038**] In an exemplary embodiment where quality is to be measured, key measurement indicators, or quality indicators, may be determined by assessing an activity that defines the quality of work in an area (e.g., the reasonable speed in which a customer call should be answered). A base performance is determined for this quality (e.g., a time period from which to begin subsequent measures is established). Then the actual value for the current period (e.g., week) is identified utilizing the key measurement indicator 'average speed' and the base performance. The actual value is then compared with subsequent values (e.g., actual value information for the next week) to determine a percentage of change in quality from one time period to the next.

[**0039**] In exemplary embodiments where service is to be measured, key measurement indicators may be determined by assessing an activity that defines the service performed in the work area (e.g., percentage of telephone calls answered within the average speed established above). A base for the service is determined (e.g., actual value information for the next week) to determine a percentage of change in service from one time period to the next. Likewise, in exemplary embodiments where effectiveness is to be measured, key measurement indicators may be determined by assessing an activity that defines the effectiveness within a work area (e.g., the number of repeat calls received on the same issue). A base for the effectiveness key measurement indicator is determined (e.g., actual value information for the next week) to determine a percentage of change in effectiveness from one time period to the next.

[**0040**] Visual communication board element **206c** refers to a reporting tool that enables organization-wide views of current performance data. The visual communication board includes information from goals and strategies element **202a**, action plans **208b**, scorecards elements **206a**, key

measurement indicators, capacity charts, lost time data, and other sources to produce a quick reference for area performance. The visual communication board is preferably located in a central location within a supervisor's area that is visible to all employees in that area.

[**0041**] In the follow-up phase **208**, a roadmap is developed for resolving any issues and for improving existing processes. The action plans **208b** for removing barriers include detailed action items and metrics for guiding individuals through the roadmap. The action plans **208b** include specific due dates for listed steps to be completed, and specifies the individuals responsible for the accomplishment of those steps. Feedback is also used in implementing a detailed action plan. A action plan **208b** in accordance with exemplary embodiments is shown in **FIG. 13**. Also included in the follow-up phase **208** are walkabouts **208a**, side-by-side reviews **208d**, and employee ranking reports **208c**. The employee ranking report **208c** is used to rank employees based upon their initial screening (e.g., observations) in order to identify any specific training requirements needed. The information provided in the employee ranking report **208c** details specific deficiencies that can be used to link a specific training program with the employee.

[**0042**] In the coach/train phase **210**, employee training is scheduled and conducted **210c** in order to improve the performance of individuals. During the coach/train phase **210** individuals are evaluated to determine their current skill levels **210b** and skills flexibility **210d**. A pre-post-training assessment element **210a** is also conducted during the coach/train phase **210** as well. The pre-post training assessment element **210a** is an evaluation tool that helps supervisors assess the skills training needs of each individual specific to one of three key skill areas: basic, fundamental, and advanced. Basic skill areas define the basic foundational elements needed to perform a job. Fundamental skill areas define an advanced set of skills desirable for optimally performing a job. Advanced skill areas define unique or special skills that may be required to perform a job, such as operating a special type of equipment or machine.

[**0043**] The pre-post training assessment element **210a** serves two purposes: pre-assessment quickly calibrates an employee's skills prior to training, while post-assessment measures what an employee has retained after training. The skills flexibility element **210d** identifies the skills and training a workgroup needs to effectively and efficiently complete assigned work. The skills flexibility element **210d** identifies the relative strengths and weaknesses within a team from a training standpoint. Employees are ranked according to skill in order to determine the total number of qualified people available for performing jobs in an assigned department, which in turn, helps to identify any training needs. This information may be entered into graphics tool **114** in order to produce a visual picture of qualification statuses.

[**0044**] A forecast phase **212** uses operating reports (e.g., scorecard **206a**) resulting from the execution of report phase **206** for resource planning. Operating capabilities and required resources are identified and used to plan and forecast future needs. Scorecards **206a** and statistics are used in the forecast phase **212** to generate a resource load **212b**, which determines, for example, day-to-day force to load requirements and a master schedule **212a** that details a

long-term force plan. Scheduling application **118** may be used to generate the master schedule **212a**.

[0045] The sustain phase **214** ensures that all improvements accomplished via the processes above are sustained and continuously evaluated for currency. The compliance support plan **214a** enables an area manager to review and measure a supervisor's understanding of, and commitment to, the elements of the managing accelerated performance system on three levels: conceptual, mechanical, and ownership. It also allows the area manager to identify any non-compliance and provide timely feedback to the respective supervisor in order to address and correct the issues. A mechanized requirement **214c** and a training support plan **214b** are included in the sustain phase **214** to further ensure sustainability of these processes. Information relating to these sustaining elements is documented and used throughout the managing accelerated performance system **200** to ensure ongoing and future success.

[0046] Embodiments of the managing accelerated performance system **200** include a seven-phase approach as described in **FIGS. 3-8**. **FIG. 3** generally depicts the plan phase process. The plan phase process begins at step **304** where an opportunity assessment is conducted, the opportunity assessment can be preformed automatically by a machine or manually by a user. Based upon the results of the opportunity assessment, it is determined whether or not one or more opportunities are present at step **306**. An opportunity may include, but is not limited to, a task, an activity, or a behavior that may be improved upon. If no opportunities are present at step **306**, the process ends at step **308**. If an opportunity is present at step **306**, a supervisor of the managing accelerated performance system model communicates this opportunity and presents reasons for why the opportunity is relevant at step **310**. At step **312**, all individuals and/or departments that are affected by, or responsible for, this opportunity are involved. An area book, as described above in **FIG. 2**, may be generated for each individual involved with the opportunity. The area book can be used for documenting and storing information needed for implementing the model at step **314**. At step **316**, a plan and schedule are generated for exploiting the opportunity. Associated workflow processes are identified and documented at step **318**. Key volume indicators are also identified at step **320**. Activities needed for further developing the opportunity are identified at step **322**. An activity list is generated for these activities. These activities may be identified through current business practices that are successful or otherwise desirable. They may also be obtained from the process conducted at step **404** in the execute phase of **FIG. 4**. Specific steps that need to be performed are adopted and documented at step **324**. Any key measurement indicators are identified at step **326**.

[0047] Upon completion of the plan phase, the process proceeds to the execute phase which is illustrated in **FIG. 4**. At step **402**, selected individuals conduct time studies. Based upon the studies, it is determined whether the activities specified in the plan phase are complete and correct at step **404**. If not, the process returns to the plan phase at step **322** whereby the activities are revised accordingly. If the activities are complete and accurate at step **406**, it is determined whether the observations (e.g., time studies) are statistically valid at step **408**. If not, the process returns to step **402** where further time studies are conducted. Other-

wise, the process proceeds to step **410** whereby engineered service metrics are defined. A tally sheet and volume sheet are utilized for collecting daily volumes at step **412**. Any barriers or issues are identified at step **414**. The barriers identified are used in both the reporting phase of **FIG. 5** as well as the follow-up phase of **FIG. 6** as described herein.

[0048] In the reporting phase, the data gathered from the above processes are analyzed at step **502**. The analysis includes the issues identified in step **414** of **FIG. 4**. The results are communicated to involved individuals and/or departments at step **504**. From this analysis, various goals are identifiable. These are communicated to the relevant individuals as well. At step **506**, the individuals and/or departments are provided with an opportunity to relay feedback to the information presented at step **504**. A performance evaluation is conducted at step **508** and the process continues to the follow-up phase of **FIG. 6**.

[0049] At step **602**, an action item log is created that includes the issues identified in step **414**, as well as the results of the performance evaluation conducted at step **508**. From the action item log, a detailed action plan is developed at step **604**. With the action plan in place, the activities presented therein are then implemented at step **606** and the process continues to the coach/train phase of **FIG. 7**. At step **702**, a supervisor or manager utilizes the specific items identified in the action plan to coach and/or train an employee. The process then continues to the forecast phase of **FIG. 8**. Additionally, the coach/train phase may be implemented as a result of activities conducted at step **912** of the sustain phase of **FIG. 9**. This may be the case where a business enterprise determines that new skills are needed.

[0050] The forecast phase of **FIG. 8** continues from the coach/train phase in which a review of the 'planned-to-actual' data is conducted at step **802**. This data is acquired from step **702** and relates to the actual progress made by employees who have been coached in contrast to the planned progress for a given time period. At step **804** resource loads are planned based upon the review conducted at step **802**. The process then continues to the sustain phase of **FIG. 9**.

[0051] At step **902**, the process as developed to date is reviewed. The review includes identifying progress made as well as any deficiencies noted. Benchmarks for improvement and maintenance are developed at step **904**. At step **906**, internal audits and compliance reviews are conducted. If an audit reveals a non-compliance in a specific area at step **908**, the process is once again reviewed at step **902** to identify the cause of non-compliance. Otherwise, a certification process is initiated to acknowledge the compliance at step **910**. Any manuals, programs, standards, training, and/or systems benefiting from the compliance are updated at step **912**. Additionally, step **912** may also include process change control, which is a standard method for introducing changes to existing processes and procedures. These activities may then be used to coach and train employees as described in **FIG. 7** at step **704**. These new activities or changes to existing activities may result from process improvement initiatives, action plan items, technology initiatives, new products or services, or the like.

[0052] As can be seen from the above descriptions the managing accelerated performance system provides a consistent model for supervisors and management personnel to manage a business utilizing productivity standards, process

management, and management control systems. The managing accelerated performance system enables accomplishment of service metrics while substantially driving cost efficiencies. The methodology utilized by the managing accelerated performance system allows for efficient movement of personnel to new areas while building on past successes.

[0053] As described above, embodiments of the invention may include computer-implemented processes and apparatuses for practicing those processes. Embodiments may also include computer program code containing instructions embodied in tangible media, such as floppy diskettes, CD-ROMs, hard drives, or any other computer-readable storage medium, wherein, when the computer program code is loaded into and executed by a computer, the computer becomes an apparatus for practicing the invention. Embodiments may further include computer program code, for example, whether stored in a storage medium, loaded into and/or executed by a computer, or transmitted over some transmission medium, such as over electrical wiring or cabling, through fiber optics, or via electromagnetic radiation, wherein, when the computer program code is loaded into and executed by a computer, the computer becomes an apparatus for practicing the invention. When implemented on a general-purpose microprocessor, the computer program code segments configure the microprocessor to create specific logic circuits.

[0054] While the invention has been described with reference to exemplary embodiments, it will be understood by those skilled in the art that various changes may be made and equivalents may be substituted for elements thereof without departing from the scope of the invention. In addition, many modifications may be made to adapt a particular situation or material to the teachings of the invention without departing from the essential scope thereof. Therefore, it is intended that the invention not be limited to the particular embodiments disclosed for carrying out this invention, but that the invention will include all embodiments falling within the scope of the claims.

What is claimed is:

1. A method of providing a disciplined approach for conducting managing accelerated performance activities, the method comprising:

- developing an activity list of at least one of a task and a behavior that relate to an identified opportunity;
- performing a time study associated with the task and the behaviors;
- collecting a time study data resulting from the time study;
- collecting a performance data resulting from an actual performance of work activities, wherein the performance data includes a quality indicator;
- creating a scorecard for analyzing the correlation between the time study data and the performance data;
- identifying an issue presented as a result of analyzing the time study data and the performance data; and
- generating and implementing a roadmap for resolving the issue for use in training an individual affected by the roadmap.

2. The method of claim 1, further comprising updating a database of roadmaps based upon notification of a compliance resulting from an activity assessment.

3. The method of claim 1, wherein the developing the activity list includes:

- establishing a goal and a strategy for exploiting the identified opportunity;
- documenting the goal and the strategy; and
- communicating the goal and the strategy to the individual affected.

4. The method of claim 3, further comprising using information the activity list to develop an activity detail summary comprising:

- documenting a current workflow condition and requirement;
- identifying a key volume indicator;
- identifying an activity and creating an activity list summary; and
- identifying a key measurement indicator.

5. The method of claim 4, wherein the key volume indicators are derived by:

- comparing two or more similar work units and validating differences between processes used in the similar work units; and
- establishing engineering service metrics and reasonable expectations resulting from the comparing the similar work units, wherein the engineering service metrics include a best demonstrated practice for activities conducted in the work units.

6. The method of claim 4, wherein the key measurement indicators measure performance, service, quality, and effectiveness of work performed and quantify results into relevant measurements.

7. The method of claim 1, wherein the performing a time study comprises:

- identifying a behavior to observe;
- observing the behavior;
- determining statistical validity of observations;
- defining metrics for the behavior;
- documenting the observations; and
- identifying issues resulting from the observations.

8. The method of claim 1, wherein the collecting a performance data resulting from an actual performance of work activities comprises:

- generating a tally sheet of detailed work volume; and
- creating a daily schedule control using the tally sheet, the daily schedule control comprising:
 - a productivity data;
 - a percentage of overtime data;
 - a earned hours; and
 - a lost time.

9. A storage medium encoded with machine-readable computer program code for providing a disciplined approach for conducting managing accelerated performance activities,

the storage medium including instructions for causing a server to implement a method, comprising:

developing an activity list of at least one of a task and a behavior that relate to an identified opportunity;

performing a time study associated with the task and the behaviors;

collecting a time study data resulting from the time study;

collecting a performance data resulting from an actual performance of work activities, wherein the performance data includes a quality indicator;

creating a scorecard for analyzing the correlation between the time study data and the performance data;

identifying an issue presented as a result of analyzing the time study data and the performance data;

generating and implementing a roadmap for resolving the issue; and

training an individual affected by the roadmap in accordance with an action item contained in the roadmap.

10. The storage medium of claim 9, further comprising instructions for causing the server to implement:

updating a database of roadmaps based upon notification of a compliance resulting from an activity assessment.

11. The storage medium of claim 9, wherein the developing an activity list includes:

establishing a goal and a strategy for exploiting the identified opportunity;

documenting the goal and the strategy; and

communicating the goal and the strategy to the individual affected.

12. The storage medium of claim 11, further comprising instructions for causing the server to implement:

using information the activity list to develop an activity detail summary comprising:

documenting a current workflow condition and requirement;

identifying a key volume indicator;

identifying an activity and creating an activity list summary; and

identifying a key measurement indicator.

13. The storage medium of claim 12, wherein the key volume indicators are derived by:

comparing two or more similar work units and validating differences between processes used in the similar work units; and

establishing engineering service metrics and reasonable expectations resulting from the comparing the similar work units, wherein the engineering service metrics include a best demonstrated practice for activities conducted in the work units.

14. The storage medium of claim 12, wherein the key measurement indicators measure performance, service, quality, and effectiveness of work performed and quantify results into relevant measurements.

15. The storage medium of claim 9, wherein the performing a time study of observable behaviors further includes:

identifying a behavior to observe;

observing the behavior;

determining statistical validity of observations;

defining metrics for the behavior;

documenting the observations; and

identifying issues resulting from the observations

16. The storage medium of claim 9, wherein the collecting resulting from performance of work activities comprises:

generating a tally sheet of detailed work volume; and

creating a daily schedule control using the tally sheet, the daily schedule control comprising:

a productivity data;

a percentage of overtime data;

a earned hours; and

a lost time.

17. A system for providing a disciplined approach for conducting managing accelerated performance activities, comprising:

a server;

a managing accelerated performance system executing on the server,

wherein the managing accelerated performance system performs:

developing an activity list of at least one of a task and a behavior that relate to an identified opportunity;

performing a time study associated with the task and the behaviors;

collecting a time study data resulting from the time study;

collecting a performance data resulting from an actual performance of work activities, wherein the performance data includes a quality indicator;

creating a scorecard for analyzing the correlation between the time study data and the performance data;

identifying an issue presented as a result of analyzing the time study data and the performance data;

generating and implementing a roadmap for resolving the issue; and

training an individual affected by the roadmap in accordance with an action item contained in the roadmap.

18. The system of claim 17, wherein the managing accelerated performance system performs further performs:

updating a database of roadmaps based upon notification of a compliance resulting from an activity assessment.

19. The system of claim 17, wherein the developing an activity list includes:

establishing a goal and a strategy for exploiting the identified opportunity;

documenting the goal and the strategy; and

communicating the goal and the strategy to the individual affected.

20. The system of claim 19, wherein the managing accelerated performance system performs further performs:

using information the activity list to develop an activity detail summary comprising:

documenting a current workflow condition and requirement;

identifying a key volume indicator;

identifying an activity and creating an activity list summary; and

identifying a key measurement indicator.

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